

## Let Us Help You:

Stop a chronic leak...Reduce your plant's downtime...Save a few dollars—or a few hundred thousand...Flexitallic has the products, engineering expertise, and local service that can help you make your plant environmentally safe and develop a sustainable approach to static sealing.

**Contact us today for a free consultation, inventory assessment, and/or gasket standards review.**

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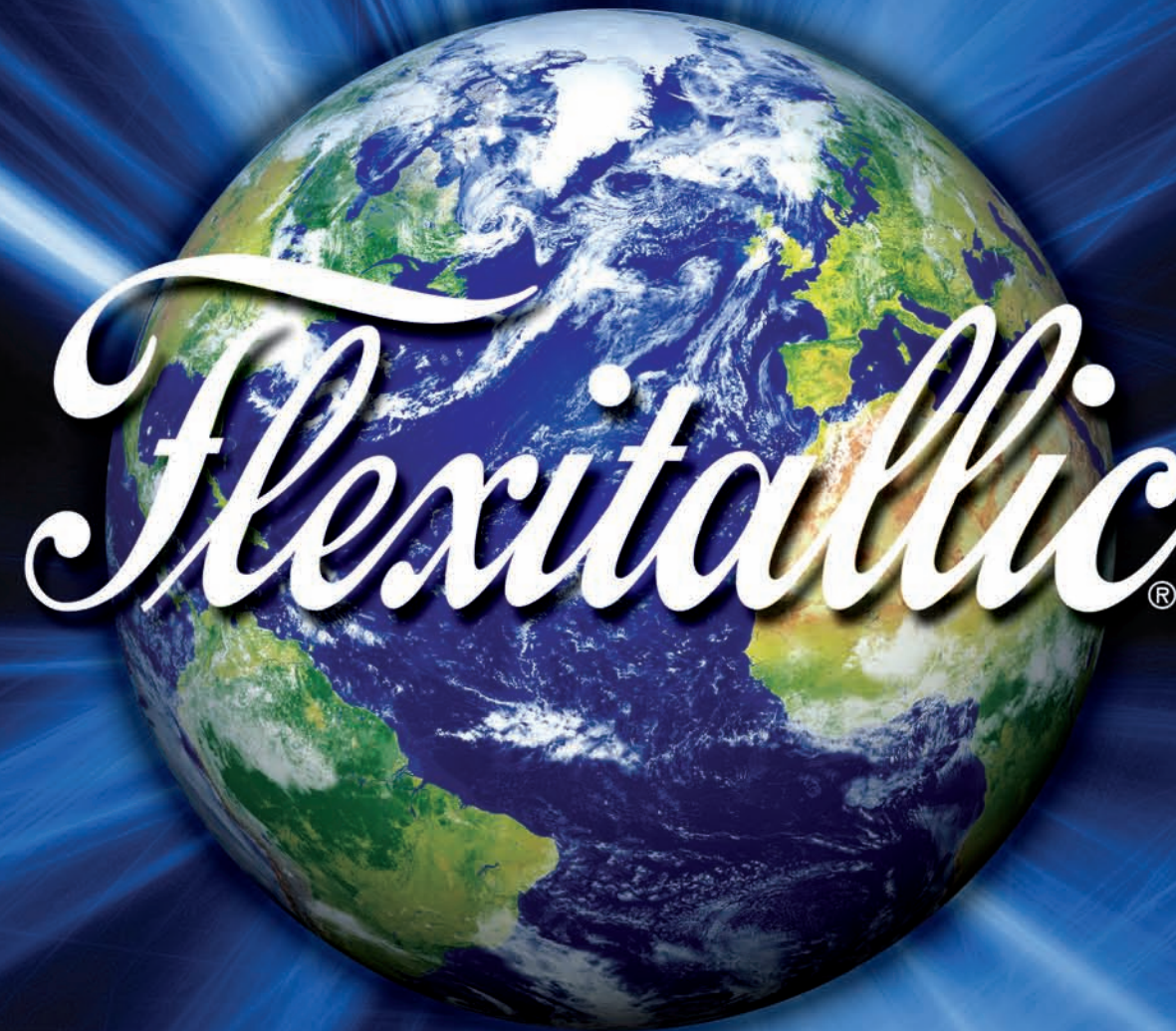


Allied Distributor



*Flexitallic*

Contact your local allied distributor



**Global Leader in Sealing Technology**



**A history of innovation.**

**A future full of potential.**

Since inventing the spiral wound gasket in 1912, Flexitallic has consistently provided high-performance sealing solutions for industrial applications operating in severe temperatures and pressures.

Today, the Flexitallic Group is a global provider of high-quality, high-performance fluid sealing products with wholly-owned manufacturing operations in Europe, the U.S., and China. The Flexitallic Group utilizes licensees and a global network of Allied Distributors to ensure that quality manufacturing and 24-hour service levels are provided to all customers. For nearly 100 years the Flexitallic Group has focused its efforts on fluid sealing technology. With ISO 9001 manufacturing locations on five continents and a global network of Licensees and Allied Distributors the Group delivers Flexitallic technical expertise and service. Flexitallic supplies to ASME B 16.20, API 6A and EN 12560, and has the ability to supply to all other national or customer specific standards. We engineer our products to be more environmentally friendly, and to help keep customer operations in compliance with increasingly strict regulatory standards.

Most important, our entire product portfolio is backed by exceptional service and technical support. Flexitallic engineering expertise is combined with unique materials engineering to provide products that meet or exceed environmental standards and provide high value to the customer. Our employees are well-trained, highly-skilled, and experienced — with an average tenure of over 10 years in the industry and nearly a century of service and experience we put that knowledge into every solution, every day.



## Innovative Materials, Engineered Solutions

Since inventing the spiral wound gasket nearly a century ago, Flexitallic has been at the forefront of fluid sealing innovation. With a diligence to the research and development required in the materials that comprise our products and strong dialogue with customers, Flexitallic has continued to produce high-quality gasketing solutions for the most difficult applications our customers encounter.



**Thermiculite**



Thermiculite Critical Service Series gasket material is available in sheet, spiral wounds, Flexpro® (kammprofiles) and braided packings. Thermiculite is an excellent, cost-effective choice for consolidating your gasket inventory of aramid fiber, glass fiber, carbon fiber, PTFE, and graphite.

Thermiculite materials are used in the most critical and demanding sealing applications where their stability to temperatures up to 1800°F (982°C) and hazardous chemical environments are highly valued.

This unique material has resolved numerous end-user problem applications, and received the 2007 Environmental Award from the Fluid Sealing Association and was recognized by Frost and Sullivan for their 2008 North American Product Value Leadership of the Year Award.

**SIGMA**

Sigma was developed for processes ranging from cryogenic temperatures to 500°F (260°C), and suitable for sealing virtually every chemical medium across the entire pH range (0-14). It pairs the outstanding chemical resistance of PTFE with enhanced dimensional stability to improve overall material stress retention. Its non-stick properties offer excellent removal after usage to dramatically reduce the downtime on shutdown.

**Flexpro**

The best of all worlds, *compressibility, sealability, and easy handling* allow the Flexpro to enhance joint integrity. ROTT testing demonstrates superior tightness and the Flexpro is another in a long line of custom products for specific applications. As a long standing OEM Supplier Flexitallic's years of experience and attention to detail meet the most stringent quality requirements. That is why Flexitallic is the choice for designers, developers and users. We provide high-performance gaskets for critical equipment in critical service.

### Custom Products:

- » Semi-metallic gaskets and heat-exchanger gaskets
- » Ring-type joints
- » Kammprofiles
- » Jacketed heat exchanger gaskets
- » Braided packing
- » Carrier rings
- » SOFC - Thermiculite 866
- » Aerospace - Thermiculite 867

## The Flexitallic Engineering Force Superior Service and Support

Our worldwide engineering staff has the knowledge, experience, and insight needed to solve your toughest sealing issues. We are active in both the FSA® and ESA and our engineers are committee members with standards organizations such as ASME, PVRC, and API. Whether it's customer service at a central location or technical support out in the field, our experts are ready 24/7 to help you with:

- » Troublesome or chronic applications
- » Application and specification reviews
- » Inventory consolidation
- » Installation training
- » Pre-outage planning
- » Customized outage support

## Fugitive Emission Focus

Valves and flanges account for significant emission points in a facility. Even small improvements at each of these emission points can provide:

- » Significant improvements to process yields
- » A more cost-effective maintenance approach
- » An improved bottom line

Flexitallic engineers can provide guidance on improving both initial and long-term sealing at these fugitive emission points.

## Expertise for Critical Applications

Customers around the globe—and in a variety of industries—rely on our high-quality, value-added sealing products, backed by our outstanding customer service and technical support. With a complete product offering that includes spiral wound gaskets, Ring Type Joints, kammprofiles, sheet gaskets, and packings, we are positioned to handle the toughest applications in the following industries:



### Oil & Gas

As a global provider for key customers, our contracts include product, service, and performance metrics; we align with customers and work together to improve process results. Specific applications include pressure vessels, heat exchangers, flange gaskets, steam and gas turbines, valves, pumps, and compressors.



### Chemical Processing

Utilizing a combination of Sigma and Thermiculite gaskets, Flexitallic provides seals of assurance for chemical producers. Specific applications include towers and tower trays, vessel and railcar manways, heat exchangers, valves, pumps, centrifuges, mixers/reactors, light-duty flanges, and stainless steel flanges, for example.



### Power Generation

**Nuclear** – Since providing the original nuclear compliant spiral wound, Flexitallic has been involved in supplying the nuclear industry for over 40 years. This expertise is combined with the leading sealing provider to the French Nuclear Industry, to form a truly global team. Flexitallic now has access to a wider range of nuclear-certified material for both static and rotating applications. Specific products have been developed for key PWR and BWR applications.

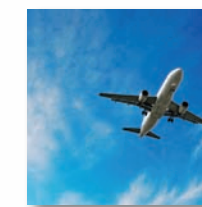
**Coal Fired** – Both gaskets and packings are available to handle applications, including circulating pumps, boiler feed pumps, generator gaskets, and turbine seals.

**Solid Oxide Fuel Cells** – Utilizing Thermiculite material in a novel design, the Flexitallic engineering team is focused on providing the high-quality seals required to move this critical technology forward. For more information on this novel product please visit [www.flexitallicsofc.com](http://www.flexitallicsofc.com).



### Pulp & Paper

Both packings and gaskets are available to serve the needs of the modern pulp and paper process. Typical applications include digester, blow tanks, pressure screens, bleaching, and pumps and valves.



### Original Equipment Manufacturers

For nearly 100 years Flexitallic has provided a wide range of designs for specific applications to the OEM market. We understand OEM quality and service for critical components:

- » Aerospace/aircraft Engines, Gas Turbines
- » Diesel Engines
- » Heat Exchangers
- » Manufacturers of Pumps, Valves, Tanks, Vessels
- » Blow-out Preventers